

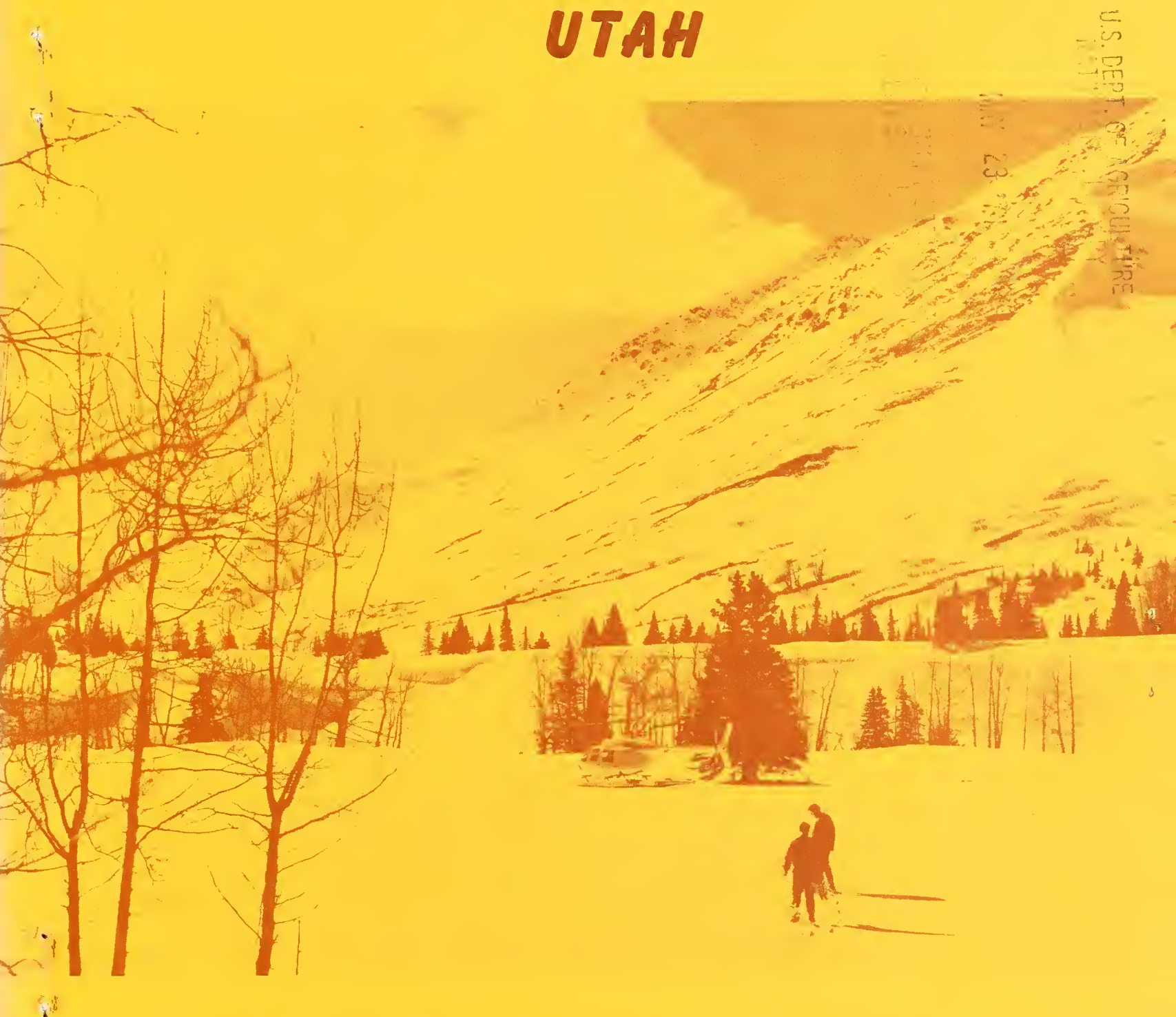
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# **WATER SUPPLY OUTLOOK FOR UTAH**



**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**UTAH STATE DEPARTMENT OF NATURAL RESOURCES  
-- DIVISION OF WATER RIGHTS**

AS OF  
**MAY 1, 1974**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Snow Surveyors near Ship Creek,  
Alaska snow course.*

UNITED STATES GOVERNMENT

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia





# **WATER SUPPLY OUTLOOK FOR UTAH**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

**KENNETH E. GRANT**

ADMINISTRATOR  
SOIL CONSERVATION SERVICE  
WASHINGTON, D.C.

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STATE ENGINEER  
DIVISION OF WATER RIGHTS  
UTAH STATE DEPT. OF NATURAL RESOURCES

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*Report prepared by*

**BOB L. WHALEY, Snow Survey Supervisor**

SOIL CONSERVATION SERVICE  
SNOW SURVEY SECTION  
FEDERAL BLDG., ROOM 4012  
SALT LAKE CITY, UTAH 84138



# PROSPECTIVE WATER SUPPLIES

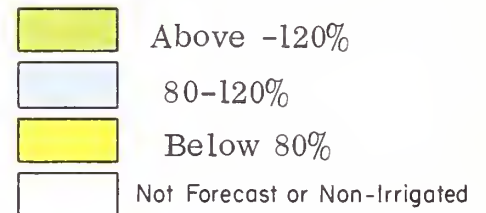
Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

May 1, 1974

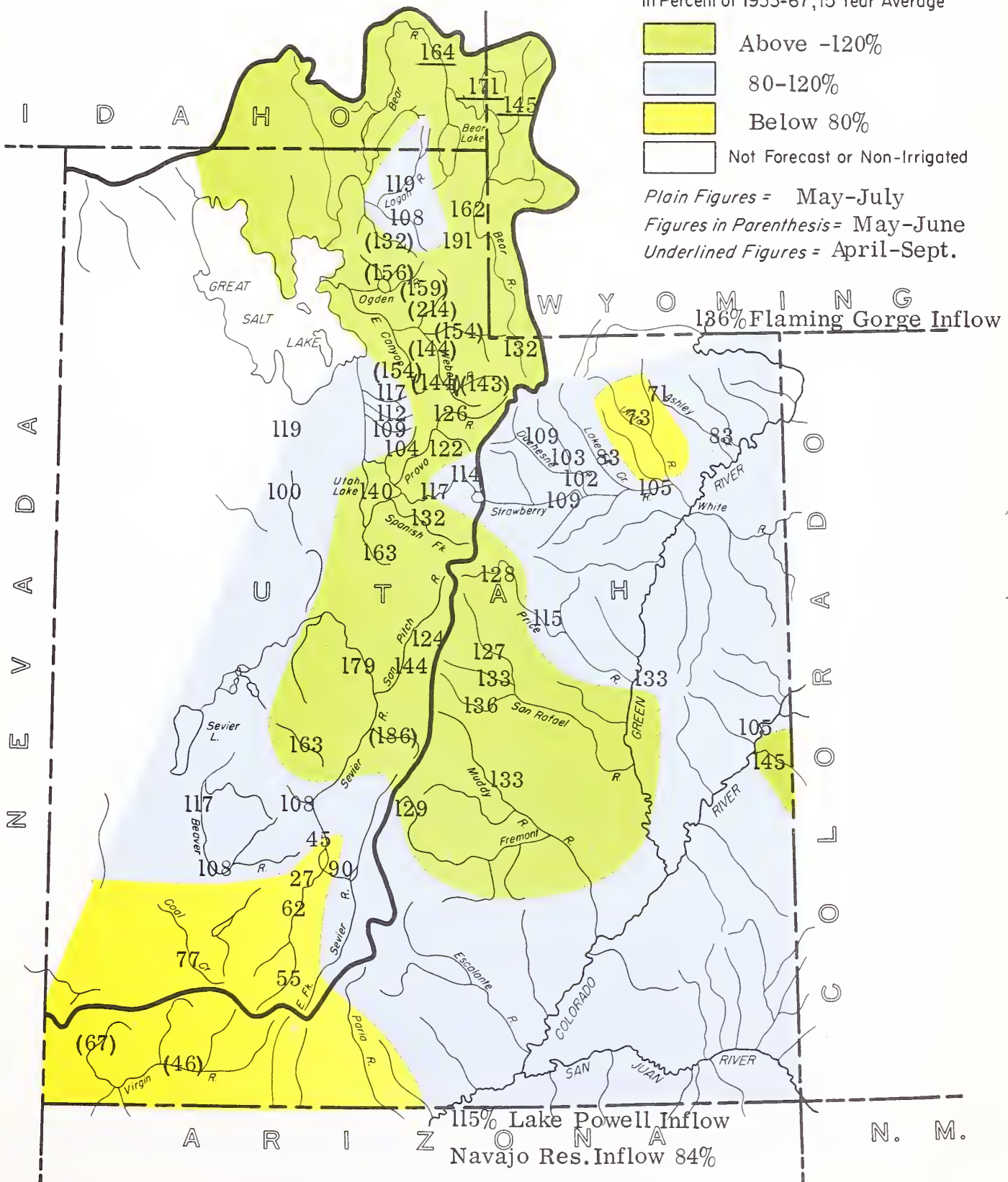
Approximate Date



FORECAST STREAM FLOW  
in Percent of 1953-67, 15 Year Average



Plain Figures = May-July  
Figures in Parenthesis = May-June  
Underlined Figures = April-Sept.







# WATER SUPPLY OUTLOOK

as of  
May 1, 1974

\*\*\*\*\*  
\* The 1974 Water Supply Outlook ranges from well below average \*  
\* in southern Utah to well above average in northern Utah. Snow \*  
\* cover ranges from 18% to 206% of the May 1 average. Reservoir \*  
\* storage is 128% of average and streamflow forecasts range from \*  
\* 27% of average on the Sevier at Kingston to 214% on Lost Creek \*  
\* at Croydon for the May-July period. \*  
\*\*\*\*\*

## SNOW COVER

Snow cover now ranges from 18% of the May 1 average on the Blue Mountains above Monticello and Blanding to 206% on Chalk Creek above Fillmore. The Uintah Basin improved during April but is still low at 42% of the May 1 average on Lakefork and Yellowstone drainages to 99% on Ashley-Brush Creeks. Bear River is now 124% of average and the Weber River is 133%. Utah Lake drainage is 127% of average, Price River 101%, San Rafael 127%, Beaver River 126%, the East Fork Sevier 103%, and the South Fork Sevier 72% of the May 1 average. Virgin River snow cover is 57% of average and Coal Creek is 62% of average. The San Pitch and Salina Creeks are 147% of the May 1 average.

## PRECIPITATION

Mountain precipitation stations generally indicated well above average catch during April except for the head waters of the Sevier and Virgin Rivers had half average to about average precipitation. The head waters of the Weber, Bear, and Provo had twice average precipitation and most of it fell as snow. Precipitation was about twice average on the north slope of the Uintahs and average to  $1\frac{1}{2}$  times average on the south side of the Uintahs. Logan River and Little Bear stations showed 65% and 45% of the April average and most other mountain stations had average to 75% above average for the month.

## RESERVOIR STORAGE

Storage in 24 of Utah's reservoirs (excluding Colorado River Project Reservoirs) is 128% of the May average for the 1958-72 period and 89% of usable capacity. Most reservoirs are full or are expected to fill as Spring runoff progresses.

## STREAMFLOW FORECASTS

Forecasts of streamflow have generally been increased by a cool April and better than average increases to the snow pack during the month. Forecasts now range from 27% of average on the South Fork Sevier at Kingston to 214% of average on Lost Creek near Croydon. Most areas of the state have reservoir storage to compliment expected streamflow to produce adequate or better than adequate water supplies. The Upper Sevier and Virgin Rivers are the exceptions where mid and late season shortages can be expected unless above average precipitation occurs during the remainder of the season.



# WATER SUPPLY OUTLOOK

## BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MAY 1, 1974

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 121% of the May 1 average on the upper Bear to 129% on the lower Bear. Logan River is 126% of average.

PRECIPITATION at mountain stations varied from better than twice average on the upper Bear to about half average at some stations on the lower Bear.

RESERVOIR STORAGE is 111% of the May 1 average and 4% better than last May 1.

STREAMFLOW FORECASTS range from 108% of the April-July average on Blacksmith Fork to 191% on Big Creek near Randolph. Maximum mean daily peak flows are expected to range from near average on Logan River to as high as twice average on Big Creek assuming normal temperatures and precipitation.

BEAR RIVER BASIN in UTAH

**STREAMFLOW FORECASTS**

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<b>BEAR RIVER</b>					
Bear at Harer, Idaho <sup>1</sup>	350	164	May-Sept	- -	214
Bear nr Randolph	125	162	May-July	- -	77
Bear nr Ut-Wyo. State Line	140	132	May-July	- -	106
Bear nr Woodruff	155	144	May-July	- -	108
Big Crk nr Randolph, Utah	6.5	191	May-July	- -	3.4 <sup>b</sup>
Blacksmith Fork nr Hyrum	40	108	May-July	- -	35
Little Bear nr Paradise	29	132	May-June	- -	22
Logan nr Logan <sup>1</sup>	117	119	May-July	- -	98
Smith's Fork nr Border, Wyo.	168	145	Apr-Sept	- -	116
Thomas Fork nr Ut-Wyo Border	55	171	Apr-Sept	- -	32
Woodruff Crk nr Woodruff, Ut	17.2	131	May-July	- -	13.1 <sup>b</sup>

1 - Observed flow corrected for change in storage and diversions  
b - Average of all past record - less than 15 years

**SUMMARY of SNOW MEASUREMENTS**

RIVER BASIN and/or SUB-WATERSHED	Number of Gauges Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
<b>UPPER BEAR RIVER</b>	10	125	121
<b>LOWER BEAR RIVER</b>	10	108	129
<b>LOGAN RIVER</b>	5	130	126
<b>BEAR RIVER</b>	20	117	124

**RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<b>BEAR RIVER</b>	Bear Lake	1421.0	1155.8	1126.6	1040.0
	Woodruff Narrows	26.5	26.5	26.5	26.3
<b>LITTLE BEAR</b>	Hyrum	15.3	11.8	11.8	14.2
	Porcupine	11.3	11.3	7.3	9.8

**PEAK FLOWS**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Creek near Randolph	50-90	41b
Little Bear nr Paradise	400-550	473
Logan River near Logan	1100-1300	984
Woodruff Creek near Woodruff	220-390	240

+ - 1958-72 Average

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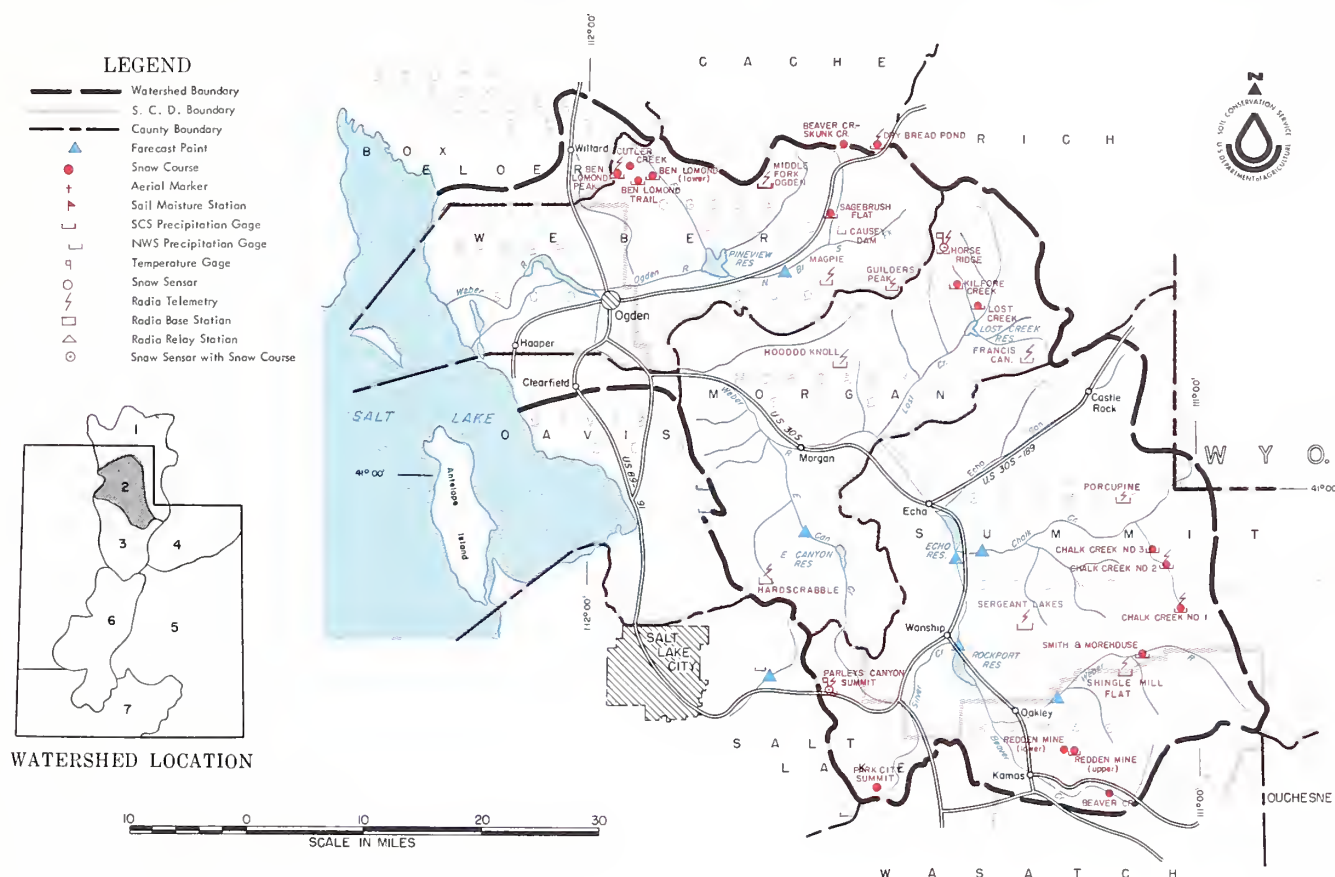
*"The Conservation of Water begins with the Snow Survey"*



# WATER SUPPLY OUTLOOK

## WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MAY 1, 1974

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER on all snow courses average 104% of the May 1 average on the Ogden and 133% of average on the Weber.

PRECIPITATION at mountain stations range from 111% to 122% on the Ogden and from 138% to 222% on the Weber for April. Cool weather allowed most precipitation to accumulate as snow.

RESERVOIR STORAGE is 136% of average and 128% of last year on the Ogden, 113% of average and 98% of last year on the Weber.

STREAMFLOW FORECASTS for the May-June period have increased over last month and now range from 143% of average on the Weber at Oakley to 214% of average on Lost Creek at Croydon. Maximum mean daily peak flows are expected to range as high as twice average on Chalk Creek and Lost Creek.



WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

STREAM FLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average +
<u>WEBER-OGDEN RIVERS</u>					
Chalk Creek at Coalville	40	154	May-June	- -	26
East Canyon Crk nr Morgan <sup>1</sup>	20	154	May-June	- -	13
Hardscrabble Crk nr Porterville	18.0	161	May-June	- -	11.2
Lost Crk nr Croydon, Utah	15.0	214	May-June	- -	7.0
Pineview Reservoir Inflow <sup>2</sup>	100	156	May-June	- -	64
South Fork Ogden nr Huntsville	54	159	May-June	- -	34
Rockport Reservoir Inflow <sup>1</sup>	134	144	May-June	- -	93
Weber nr Coalville <sup>1</sup>	135	144	May-June	- -	94
Weber nr Oakley	130	143	May-June	- -	91
1 - Observed flow corrected for change in storage and diversions					
2 - Inflow record as computed by U. S. Bureau of Reclamation					
b - Average of all past record - less than 15 years					

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR, AS A PERCENT OF	
		Last Year	Average
<u>OGDEN RIVER</u>	7	54	104
<u>WEBER RIVER</u>	11	111	133

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
<u>OGDEN</u>	Causey	6.9	2.3	0.7	2.5
	Pineview	110.1	93.6	73.7	67.8
<u>WEBER</u>	East Canyon	48.1	45.1	46.4	25.6
	Echo	73.9	47.4	54.8	53.9
	Lost Creek	20.0	16.1	13.3	11.3
	Rockport	60.9	52.4	38.1	30.5
	Willard Bay	193.3	159.1	175.4	161.7

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Lost Creek near Croydon	260-400	206b
South Fork Ogden near Huntsville	750-1150	697
Chalk Creek near Coalville	500-800	373

+ - 1958-72 Average

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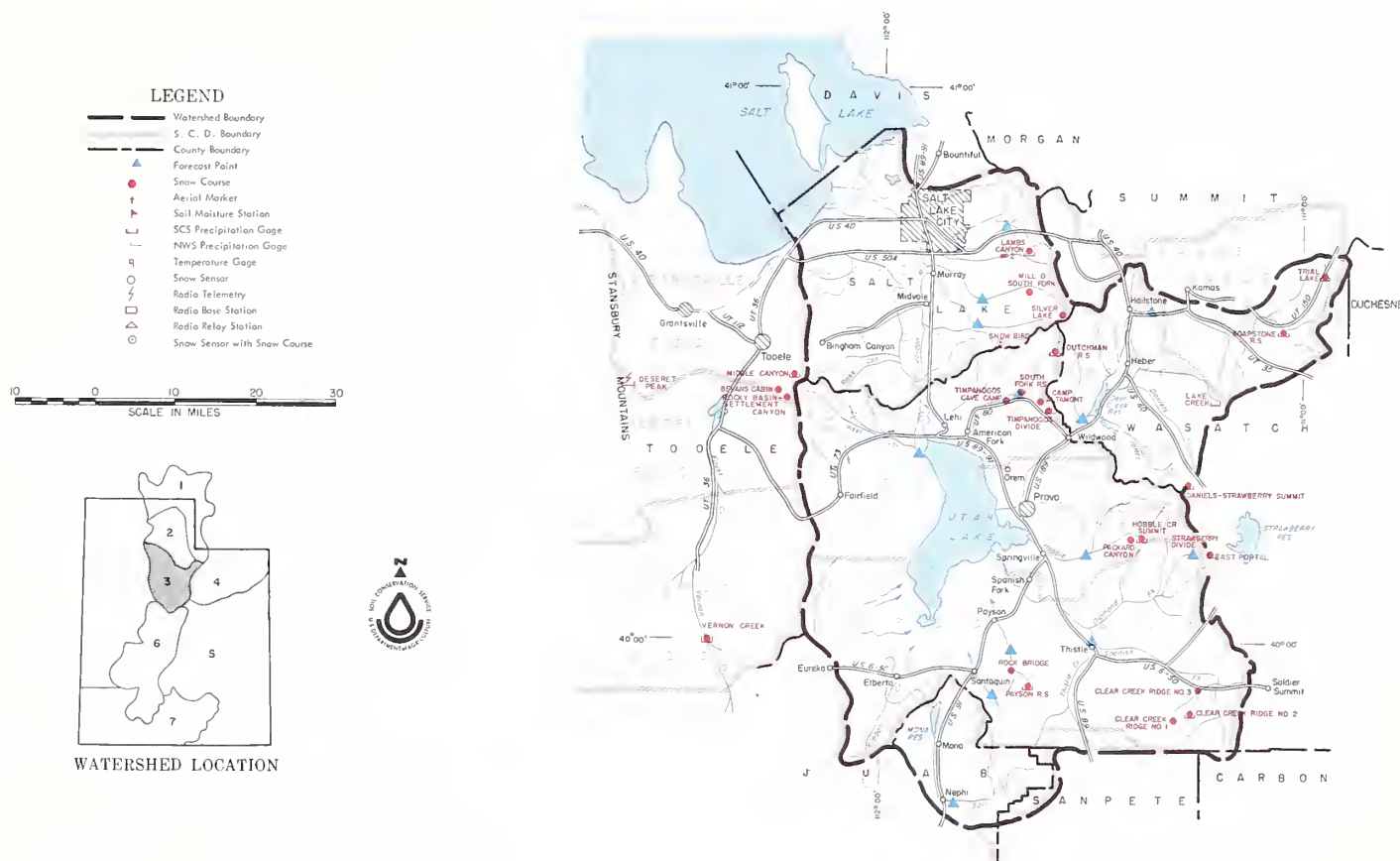
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# WATER SUPPLY OUTLOOK

## UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



MAY 1, 1974

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER varies from 127% of average on Provo-Utah Lake drainages to 161% for Tooele Valley drainages. Jordan River tributaries above Salt Lake are now 145% of the May 1 average after a month of heavy increases to the snow pack.

PRECIPITATION at mountain stations varied from 98% of average at Timpanogos Divide on American Fork to 228% at Trial Lake on the Provo.

RESERVOIR STORAGE is 154% of the May 1 average and 17% better than a year ago. Utah Lake is above compromise and has been spilling most of the winter.

STREAMFLOW FORECASTS have been increased after good increases to the snow pack and now range from average for Vernon Creek to 163% of average for Payson Creek for the May-July period. Utah Lake Inflow is forecast at 200,000 acre-feet (140%) and Strawberry Reservoir Inflow at 40,000 acre-feet (114%). An adequate water supply is expected for all water users.

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average +
<b>PROVO RIVER &amp; UTAH LAKE</b>					
American Fork nr American Frk	27	104	May-July	- -	26
Hobble Creek nr Springville	14.0	117	May-July	- -	12
Provo nr Hailstone <sup>1</sup>	108	126	May-July	- -	86
Provo below Deer Creek Dam <sup>1</sup>	110	122	May-July	- -	90
Spanish Fork at Thistle	33	132	May-July	- -	25
Strawberry Reservoir Inflow <sup>1</sup>	40	114	May-July	- -	35
Utah Lake Inflow	200	140	May-July	- -	143
Payson Creek nr Payson	8.3	163	May-July	- -	5.1 <sup>b</sup>
<b>JORDAN RIVER &amp; SALT LAKE</b>					
Big Cottonwood nr SLC	36	112	May-July	- -	32
Farmington Crk nr Farmington	7.2	114	May-July	- -	6.5
Little Cottonwood Crk nr SLC	34	109	May-July	- -	32
Parley's Creek nr SLC	11.0	117	May-July	- -	9.4
<b>TOOELE VALLEY</b>					
Settlement Creek nr Tooele	2.5	119	May-July	- -	2.1 <sup>b</sup>
Vernon Creek nr Vernon	0.4	100	May-July	- -	0.4 <sup>b</sup>

1 - Observed flow corrected for change in storage and diversions  
b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	12	71	127
JORDAN RIVER	6	81	145
TOOELE VALLEY	3	64	161

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
SPANISH FORK	Strawberry	270.0	227.2	190.0	129.3
UTAH LAKE	Utah Lake	883.9	931.9	874.3	667.7
PROVO RIVER	Deer Creek	149.7	129.6	125.9	103.5
SETTLEMENT CREEK	Settlement Creek	1.2	1.2	- -	- -

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Hobble Creek near Springville	200-350	210
Spanish Fork near Thistle	350-550	365

+ - 1958-72 Average

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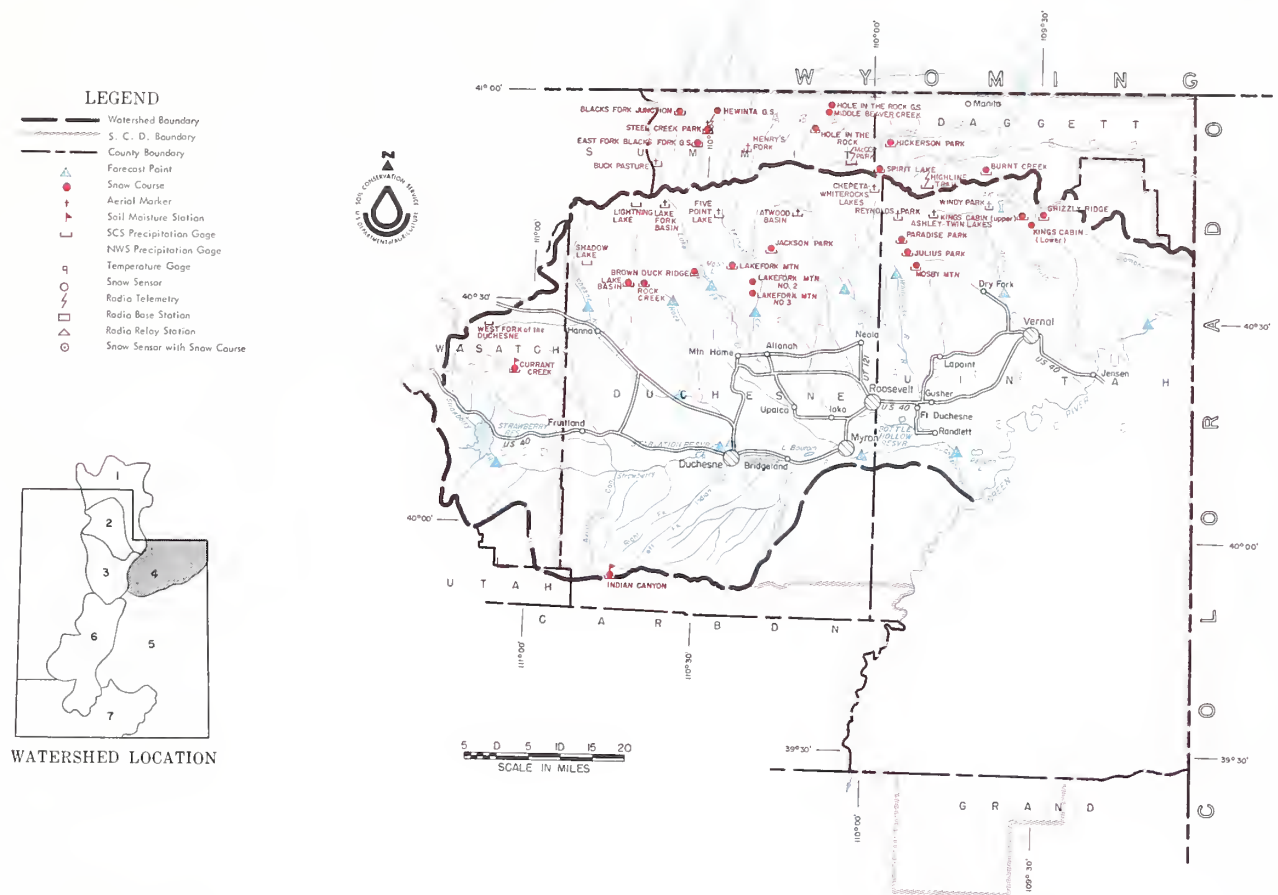
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# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MAY 1, 1974

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER varies from 42% of average on the Lakefork-Yellowstone drainages to 159% on Daniels Summit at the head of the Strawberry drainage.

PRECIPITATION at mountain stations ranged from 91% of the April average at Indian Canyon to 200% at Daniels Summit.

RESERVOIR STORAGE is well above average.

STREAMFLOW FORECASTS range from 71% of the May-July average on Whiterocks River to 109% on Strawberry at Duchesne and Duchesne at Tabiona and 110% at Randlett. Ashley Creek is now forecast at 83% of the May-July average. The Inflow to Flaming Gorge is expected to be 136% of the April-July average for the 1958-72 period. Some late season water supply shortages are expected on streams without adequate storage.

UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST Thousand Acres Feet	Percent of Average		THOUSAND ACRES FEET	
				Last Year	Average +
<b>DUCHESNE RIVER</b>					
Duchesne nr Tabiona <sup>1</sup>	102	109	May-July	- -	94
Duchesne at Duchesne <sup>1</sup>	174	102	May-July	- -	170
Duchesne at Myton <sup>1</sup>	195	105	May-July	- -	185
Duchesne at Randlett <sup>1</sup>	220	110	May-July	- -	200
Lakefork below Moon Lake <sup>1</sup>	55	83	May-July	- -	66
Rock Creek nr Mtn. Home	93	103	May-July	- -	90
Strawberry at Duchesne	50	109	May-July	- -	46
Uinta nr Neola	61	73	May-July	- -	83
Whiterocks nr Whiterock	40	71	May-July	- -	56
Yellowstone nr Altonah	45	74	May-July	- -	61
<b>FLAMING GORGE TO DUCHESNE RIVER</b>					
Ashley Creek nr Vernal	40	83	May-July	- -	48
Henry's Fork at Linwood	55	122	Apr-Sept	- -	45
Flaming Gorge Inflow <sup>1</sup>	1603	136	Apr-July	- -	1174
1 - Observed flow corrected for change in storage and diversions					
b - Average of all past record - less than 15 years					

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
<b>DUCHESNE RIVER</b>	9	37	65
<b>STRAWBERRY RIVER</b>	1	86	159
<b>LAKEFORK-YELLOWSTONE</b>	3	22	42
<b>UINTAH-WHITEROCKS</b>	2	49	73
<b>ASHLEY-BRUSH CREEKS</b>	2	51	99

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
<b>ASHLEY CREEK</b>	Steinaker	33.3	29.4	30.7	22.6
<b>GREEN RIVER</b>	Flaming Gorge	3749.0	3178.0	3063.0	1629.0
<b>LAKE FORK</b>	Moon Lake	35.8	25.9	20.9	19.0
<b>STRAWBERRY</b>	Starvation	165.3	110.2	121.1	- -
<b>UINTAH</b>	Bottle Hollow	11.3	10.3	11.0	- -

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Ashley Creek near Vernal	500-1050	906
Strawberry at Duchesne	450-850	628

+ - 1958-72 Average  
a - Partly Estimated

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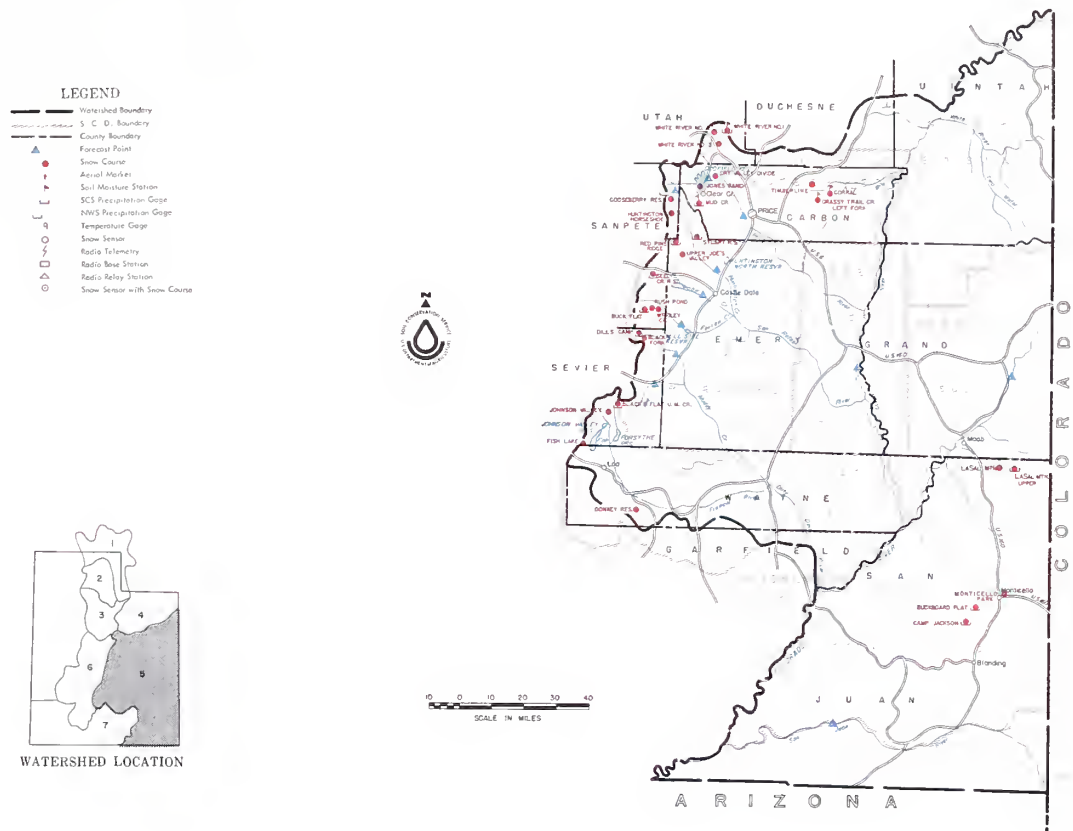
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# WATER SUPPLY OUTLOOK

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MAY 1, 1974

THE WATER SUPPLY OUTLOOK IS NEAR TO ABOVE AVERAGE

SNOW COVER varies from 18% of average on the Blue Mountains to 127% on the San Rafael drainages. Mill Creek on the LaSal Mountains is 122% and Price River is 101% of the May 1 average.

PRECIPITATION at mountain stations varied from 77% of the April average at Camp Jackson on the Blue Mountains to 249% at Fish Lake.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 81% of the April-July average for the San Juan at Bluff to 145% of average for Mill Creek near Moab. Adequate water supplies are expected for all users in this area this season.

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Thousand Acre Feet	Percent of Average		Thousand Acre Feet	THOUSAND ACRE FEET
				Last Year	Average +
<u>PRICE RIVER</u>					
Gooseberry Creek nr Scofield	11.9	125	May-July	- -	9.5
Price nr Heiner <sup>1</sup>	60	115	May-July	- -	52
Scofield Reservoir Inflow	37	128	May-July	- -	29
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	57	133	May-July	- -	43 <sup>b</sup>
Ferron Creek nr Ferron	45	136	May-July	- -	33
Huntington Crk nr Huntington	52	127	May-July	- -	41
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	21.0	133	May-July	- -	15.8
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	2983	105	Apr-July	- -	2835
Green at Green River, Utah	3771	133	Apr-July	- -	2839
Navajo Reservoir Inflow	500	84	Apr-July	- -	597
San Juan nr Bluff, Utah	690	81	Apr-July	- -	853
Mill Creek nr Moab	5.5	145	May-July	- -	3.8
<u>FREMONT RIVER</u>					
Seven Mile Creek nr Fish Lake	7.2	129	May-July	- -	5.6 <sup>b</sup>

## SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
<u>PRICE RIVER</u>	6	57	101
<u>MILL CREEK</u>	2	49	122
<u>SAN JUAN RIVER</u>	2	5	18
<u>SAN RAFAEL RIVER</u>	7	87	127

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average <sup>+</sup>
<u>PRICE RIVER</u>	Scofield	65.8	48.0	26.3	34.4
<u>SAN RAFAEL</u>	Huntington North	3.9	3.8	3.9	3.3
	Joe's Valley	54.6	38.5	39.3	34.3
	Mill Site	16.7	6.7	6.2	- -
<u>SAN JUAN</u>	Navajo	1696.0	981.0	1174.3	- -

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average <sup>+</sup>
Ferron Creek near Ferron	350-650	419
Muddy Creek near Emery	150-300	157

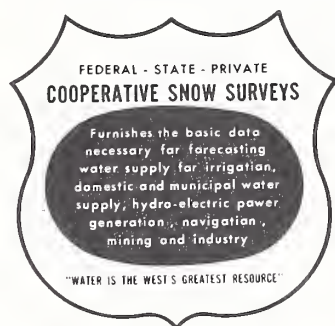
+ - 1958-72 Average

b - Average of all past record - less than 15 years

1 - Observed flow corrected for change in storage and diversions

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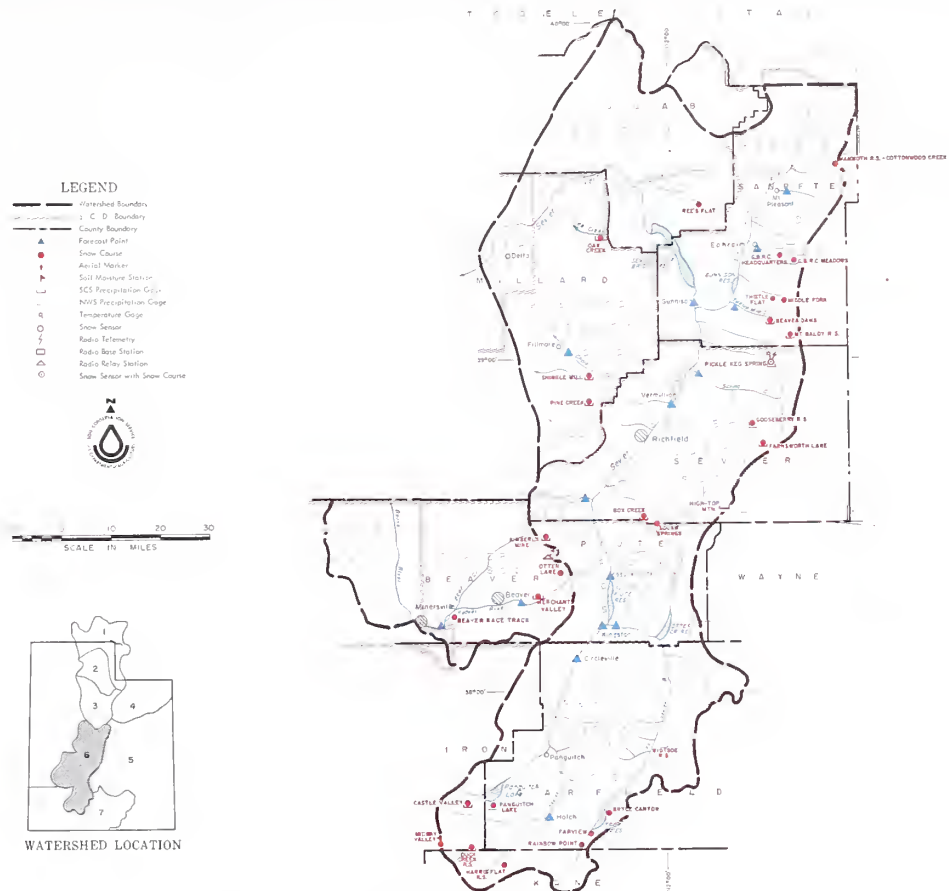
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# WATER SUPPLY OUTLOOK

## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



MAY 1, 1974

THE WATER SUPPLY OUTLOOK RANGES FROM BELOW AVERAGE  
ON THE UPPER SEVIER TO ABOVE AVERAGE ON THE LOWER SEVIER

SNOW COVER ranges from 72% of average on the South Fork Sevier to 206% on Chalk Creek above Fillmore.

PRECIPITATION at mountain stations ranged from 64% of the April average at Duck Creek Ranger Station to 191% at Box Creek above Koosharem.

RESERVOIR STORAGE is well above average. Most reservoirs in this area filled this season.

STREAMFLOW FORECASTS now range from 27% of the May-July average for the Sevier near Kingston to 186% of the May-June average for Salina Creek. Other stations on the Sevier are forecast as follows: Hatch, 55%; Circleville, 62%; East Fork, 90%; Below Piute Dam, 45%; and Gunnison, 179%. Beaver River is forecast 108% at Beaver and 117% for Minersville Inflow. Pleasant Creek and Ephraim Creek are forecast 124% and 144% respectively. Chalk Creek above Fillmore is forecast 163% of the May-July average. Water users in Panguitch and Circle Valleys without storage water are expected to be on short water supplies by mid season this year.

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<b>SEVIER RIVER</b>					
Chalk Creek nr Fillmore	20	163	May-July	- -	12.3
Clear Crk nr Sevier (abv Div)	13.7	108	May-July	- -	12.7
East Fork Sevier nr Kingston <sup>1</sup>	7.5	90	May-July	- -	8.3
Antimony Crk nr Antimony Inflow	5.0	90	May-July	- -	5.6
Kingston to Vermillion Dam	45	90	Mar-June	- -	50
Vermillion Dam to Gunnison	65	167	Mar-June	- -	39
Salina Crk at Salina	13.0	186	May-June	- -	7.0
Sevier nr Circleville	13.0	62	May-July	- -	21
Sevier nr Gunnison	50	179	May-July	- -	28
Sevier at Hatch	18.7	55	May-July	- -	34
Sevier nr Kingston	4.0	27	May-July	- -	15
Sevier below Piute Dam <sup>1</sup>	10.0	45	May-July	- -	22
<b>SAN PITCH RIVER</b>					
Ephraim Crk nr Ephraim	19.0	144	May-July	- -	13.2 <sup>b</sup>
Pleasant Crk nr Mt. Pleasant	8.7	124	May-July	- -	7.0
<b>BEAVER RIVER</b>					
Beaver nr Beaver	19.0	108	May-July	- -	17.6
Minersville Reservoir Inflow <sup>1</sup>	5.5	117	May-June	- -	4.7

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>SEVIER RIVER</u>	Gunnison	18.2	18.1	18.1	13.7
	Otter Creek	52.5	52.7	43.5	37.5
	Piute	71.8	69.3	60.1	43.8
	Sevier Bridge	236.0	228.6	162.1	114.1
<u>BEAVER RIVER</u>	Minersville (Rky Fd)	23.3	22.6	16.3	14.0

## FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Clear Crk nr Sevier-above Div.	5	July 12	July 28
Salina Crk at Salina	25	June 14	June 10
Sevier at Circleville	90	June 1	June 24
Sevier at Hatch (upper)	100	June 9	July 10

1 - Observed flow corrected for change in storage and diversions

b - Average of all past record - less than 15 years

+ - 1958-72 Average

## SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
<b>UPPER SEVIER</b>	11	36	84
<b>EAST FORK SEVIER</b>	5	43	103
<b>SOUTH FORK SEVIER</b>	6	31	72
<b>LOWER SEVIER</b>	8	93	147
<b>CHALK CREEK</b>	1	164	206
<b>BEAVER RIVER</b>	3	69	126

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Beaver near Beaver	150-350	212
Clear Creek near Sevier	160-200	170
Salina Creek near Salina	280-325	235

## PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period <sup>†</sup>	Forecast Period
<b>SEVIER RIVER</b>			
Below Vermillion Dam	65	55	April-Sept
Circle Valley	58	65	April-Sept
Panguitch Valley	75	82	April-Sept
Sevier Valley	30	38	April-Sept

Inflow to Sevier Bridge Reservoir October 1 to March 31 was about 135,000 acre-feet after a heavy March flow from lower elevations.

Below Vermillion - Flow above 360 second feet should total about 4000-5000 acre-feet.

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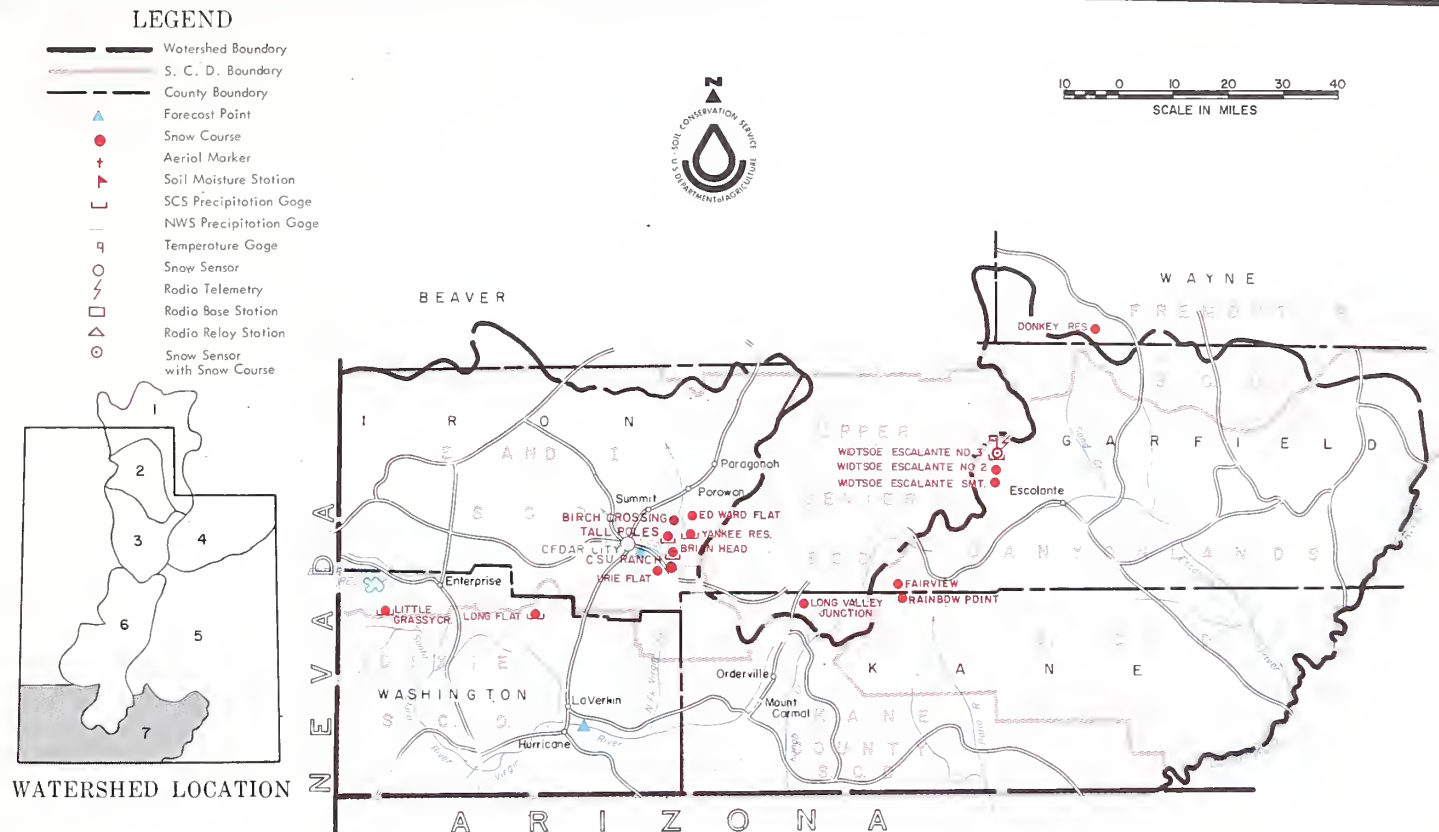
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# WATER SUPPLY OUTLOOK

## EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



MAY 1, 1974

THE WATER SUPPLY OUTLOOK IS WELL BELOW AVERAGE

SNOW COVER as of May 1 ranged from 54% of average on Parowan Creek to 62% on Coal Creek. Virgin River snow cover was 57% of average and the radio reporting site above Kolob Reservoir reports most snow has now melted from the 9500 foot elevation and below.

PRECIPITATION at mountain stations during April ranged from 50% of average at Little Grassy Creek to 137% at Yankee Reservoir.

RESERVOIR STORAGE in Lake Powell is now 18,089,000 acre-feet, a gain of 154,000 acre-feet during April and 6,838,000 acre-feet more than May 1, 1973.

STREAMFLOW FORECASTS now range from 46% of average on the Virgin to 115% of average for Lake Powell Inflow. Coal Creek is forecast at 77% of the May-July average and the Santa Clara at 67% of average. Short water supplies are expected in this area for those water users without reservoir storage.



## EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Forecast	Percent of Average		THOUSAND ACRE FEET	
	Thousand Acre Feet			Last Year	Average <sup>†</sup>
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	13.0	46	May-June	- -	28 <sup>b</sup>
Santa Clara nr Pine Valley	1.8	67	May-June	- -	2.7 <sup>b</sup>
<u>COAL CREEK</u>					
Coal Creek nr Cedar City	10.0	77	May-July	- -	13.0
<u>UPPER COLORADO</u>					
Lake Powell Inflow	7785	115	Apr-July	- -	6881

b - Average of all past record - less than 15 years

## SUMMARY OF SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
<u>COAL CREEK</u>	3	27	62
<u>PAROWAN CREEK</u>	2	12	54
<u>VIRGIN RIVER</u>	2	21	57

## RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average <sup>†</sup>
<u>COLORADO</u>	Blue Mesa	829.5	295.2	308.6	- -
	Lake Powell	25002.0	18089.0	11251.0	8370.8

+ - 1958-72 Average

## PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average <sup>†</sup>

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## SNOW

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)						
	DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
GREAT BASIN												
UPPER BEAR RIVER (Above Harer, Idaho)												
Big Park	4/30	56	23.3	18.4	22.4							
Burts-Miller Ranch	4/24	21	8.5	5.8	1.6	4/24	5.55	2.64 <sup>a</sup>	16.50	11.67 <sup>a</sup>	141	
CCC Camp	4/28	23	9.5	12.0	8.2							
Gold Hill*						4/25	8.07	- -	31.67	- -	- -	
Hayden Fork	4/24	55	20.0	14.5	15.5	4/24	7.83	4.24 <sup>a</sup>	29.43	24.72 <sup>a</sup>	119	
Kelly Ranger Station*	4/30	50	20.6	18.5	19.2	5/1	No Reading					
LaBarge Guard Station	4/26	88	38.6	25.7	- -							
Lily Lake*						5/1	No Reading					
Monte Cristo Ranger Station	4/30	72	32.3	27.1	26.7	4/30	6.64	5.46 <sup>b</sup>	38.09	33.08 <sup>b</sup>	115	
Piney-LaBarge #2	4/26	56	25.0	19.6	22.1 <sup>a</sup>							
Poison Meadows	4/26	91	36.9	23.9	32.4							
Salt River Summit	4/28	36	14.6	14.4	13.9	4/28	3.00	2.45	21.70	19.19	113	
Stillwater Camp	4/24	40	14.3	9.5	7.6	4/24	6.60	3.09	21.00	15.10	139	
Snyder Basin	5/1	41	15.4	11.3	14.4							
LOWER BEAR RIVER (Below Harer, Idaho)												
Cinnamon Creek*						4/25	4.01	- -	- -	- -	- -	
Clarkston Mountain*						4/25	3.89	- -	23.45	- -	- -	
Cub River Ranger Station	4/30	0	0.0	0.0	1.0							
Curtis Creek*						4/25	6.00	- -	38.53	- -	- -	
Deer Springs						5/1	No Reading					
Emigrant Summit	4/29	64	29.0	23.8	23.6							
Emigration Canyon	5/1	Not Measured										
Garden City Summit	4/26	47	19.2	15.5	16.7	4/26	2.35	3.64 <sup>b</sup>	23.65	23.36 <sup>b</sup>	101	
Franklin Basin						4/25	7.36	- -	- -	- -	- -	
George Peak*						4/25	3.51	- -	22.53	- -	- -	
Hardware Ranch*						4/25	2.74	- -	- -	- -	- -	
Hells Canyon*						4/25	4.17	- -	34.28	- -	- -	
Herd Hollow*						5/1	No Reading					
Hyrum Dam						5/1	No Reading					
Klondike Narrows*	4/26	44	19.8	16.0	15.4	5/1	No Reading					
Little Bear (lower)	4/29	0	0.0	12.9	.5							
Little Bear (upper)*	4/29	18	7.6	18.1	3.3	4/25	1.85	4.12 <sup>b</sup>	- -	21.91 <sup>b</sup>	- -	
Slug Creek Divide	4/29	28	12.2	14.8	- -							
Steep Hollow #1	4/26	106	47.2	32.3	38.9 <sup>b</sup>							
Steep Hollow #2	4/26	70	32.4	22.8	23.3 <sup>b</sup>							
Tony Grove Lake*						5/1	No Reading					
Tony Grove Ranger Station*	4/26	4	2.0	5.8	1.4	4/25	3.93	3.29 <sup>a</sup>	22.17	21.41 <sup>a</sup>	104	
Trigara Springs						4/25	4.83	- -	- -	- -	- -	
Willow Flat	4/30	20	8.2	5.6	3.7	4/30	5.50	4.07	13.63	26.87	51	
OGDEN RIVER												
Beaver Creek-Skunk Creek	4/30	10	4.6	13.8	4.7							
Ben Lomond (lower)	4/29	7	2.8	24.2	5.3	4/29	5.11	4.59	26.00	29.32	89	
Ben Lomond Peak*	4/29	78	35.9	52.5	34.9	4/25	5.70	- -	- -	- -	- -	
Ben Lomond Trail	4/29	14	6.1	25.7	6.1 <sup>b</sup>							
Causey Dam						4/30	2.75	2.33 <sup>a</sup>	19.69	16.64 <sup>a</sup>	118	
Cutler Creek	4/29	54	26.3	40.8	24.9 <sup>b</sup>							
Dry Bread Pond	4/30	45	19.8	21.4	16.1	4/30	5.36 <sup>a</sup>	4.39 <sup>b</sup>	25.46 <sup>a</sup>	25.16 <sup>b</sup>	101	
Guilders Peak*						5/1	No Reading					
Magpie*						5/1	No Reading					
Middle Fork Ogden*						4/25	6.28	- -	- -	- -	- -	
Sagebrush Flat	4/30	0	0.0	0.0	0.0	4/30	3.09	2.56 <sup>b</sup>	18.35	16.88 <sup>b</sup>	109	

## SNOW

## PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE				
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average		
<u>WEBER RIVER</u>													
Beaver Creek Ranger Station	4/30	2	.9	1.4	1.5								
Chalk Creek #1	4/25	86	33.1	25.6	24.6								
Chalk Creek #2	4/25	52	20.2	16.4	13.5	5/1	5.28 <sup>a</sup>	3.83 <sup>b</sup>	- -	18.78 <sup>b</sup>	- -		
Chalk Creek #3	4/25	19	6.9	7.8	2.2	4/25	6.43	3.47 <sup>b</sup>	21.47	15.59 <sup>b</sup>	138		
Farmington Canyon (lower)	4/30	54	25.2	27.9	21.2 <sup>b</sup>	4/30	9.60 <sup>a</sup>	- -	36.95	- -	- -		
Farmington Canyon (upper)	4/30	84	35.2	36.3	31.6 <sup>b</sup>	4/30	8.90 <sup>a</sup>	- -	- -	- -	- -		
Farmington Guard Station						4/30	9.40 <sup>a</sup>	- -	37.46	- -	- -		
Francis Canyon*						5/1	No Reading						
Hardscrabble*						4/25	8.77	- -	- -	- -	- -		
Hoo Doo Knoll*						5/1	No Reading						
Horse Ridge	4/30	62	28.5	20.1	22.2 <sup>b</sup>	4/30	7.51 <sup>a</sup>	4.44 <sup>a</sup>	36.02	30.66 <sup>a</sup>	117		
Kilfore Creek	4/30	25	10.5	12.2	- -								
Lost Creek Reservoir	5/1	No Reading											
Park City Summit	4/26	101	38.4 <sup>a</sup>	34.6	- -								
Parley's Canyon Summit	4/30	42	18.9	17.4	12.2	4/30	8.20 <sup>a</sup>	4.71	33.96 <sup>a</sup>	26.73	127		
Porcupine*						4/25	7.88	- -	- -	- -	- -		
Redden Mine (lower)	4/26	53	20.7	19.8	16.5								
Redden Mine (upper)	4/26	61	25.2	23.3	18.9	4/26	11.20	5.04 <sup>a</sup>	33.63	25.01 <sup>a</sup>	134		
Sargeant Lakes* A	4/29	45	17.1	17.2	- -	4/25	7.70	- -	- -	- -	- -		
Shingle Mill Flat*						4/25	10.11	- -	- -	- -	- -		
Smith & Morehouse	4/25	32	13.9	10.4	7.5	4/25	8.19	3.94	26.90	22.03	122		
<u>PROVO RIVER &amp; UTAH LAKE</u>													
Camp Altamont	4/29	0	0.0	16.2	5.9								
Clear Creek Ridge #1	4/25	50	20.9	24.3	16.3								
Clear Creek Ridge #2	4/25	35	15.1	16.2	8.3	4/25	5.10	3.25	- -	18.55	- -		
Clear Creek Ridge #3	4/25	0	0.0	0.0	.2								
Dutchman Ranger Station	4/29	18	9.1	18.9	8.4								
East Shingle Lake A	4/29	99	37.6	- -	- -								
Hobble Creek Summit	4/26	16	7.6	13.5	5.7	4/26	4.65	3.05	21.90	19.71	111		
Packard Canyon	4/26	0	0.0	5.3	.8								
Payson Ranger Station	4/24	51	23.0	29.3	12.6	4/24	3.55	3.48	25.40	21.17	120		
Rock Bridge	4/24	28	12.1	19.7	3.3								
Soapstone Ranger Station	4/29	25	10.2	7.4	6.4	4/30	7.10	3.24	23.88	18.93	126		
South Fork Ranger Station	4/29	0	0.0	- -	- -								
Timpanogos Cave Camp	4/29	0	0.0	- -	- -								
Timpanogos Divide	4/29	34	15.6	30.7	19.6	5/1	4.00	4.07	22.55	28.57	79		
Trial Lake	4/30	87	33.2	26.3	28.2	4/30	10.08	4.42	33.34	27.44	122		
<u>JORDAN RIVER &amp; SALT LAKE</u>													
Bevan's Cabin	4/26	24	10.0	20.3	3.4								
Lamb's Canyon	4/29	33	15.1	12.8	8.6								
Lamb's Canyon #2	4/29	28	11.6	13.8	- -								
Middle Canyon - Tooele	4/26	36	16.5	24.3	7.6	4/26	9.25	4.16 <sup>b</sup>	- -	20.81 <sup>b</sup>	- -		
Mill Creek	4/29	63	26.9	- -	- -								
Mill D South Fork	5/1	40	19.6	18.4	14.4								
Rocky Basin - Settlement Cyn	5/1	77	35.4	52.7	27.4	5/1	8.37	- -	28.94	- -	- -		
Silver Lake (Brighton)	5/1	65	31.8	30.0	26.9								
Vernon Creek	4/28	0	0.0	15.7	- -	4/28	2.00	- -	12.69	- -	- -		
<u>UPPER SEVIER RIVER (South of Richfield, Utah)</u>													
Box Creek	4/25	39	15.1	18.4	10.3	4/25	5.17	2.71	20.07	16.41	122		
Castle Valley	4/29	1	.4	19.4	6.2	4/29	3.09	2.97	13.68	17.52	78		
Duck Creek Ranger Station	4/29	0	0.0	17.4	6.0	4/29	2.00	3.12	12.85	20.37	63		
Harris Flat	4/29	0	0.0	5.8	1.2								
Kimberly Mine	4/24	45	19.5	26.9	13.1	4/24	6.46	3.69	24.28	21.01	116		
Midway Valley	4/29	35	14.5	34.8	21.4	4/29	3.15	- -	17.10	- -	- -		
Panguitch Lake	4/29	0	0.0	7.4	.2	4/29	1.88	1.22	7.33	8.41	87		
Squaw Springs	4/25	14	6.5	10.7	3.3								
Widtsoe Escalante Summit	4/26	0	0.0	11.4	2.8								
Widtsoe Escalante #2	4/26	12	4.0	14.8	6.1								
Widtsoe Escalante #3	4/26	16	5.6	17.6	7.8 <sup>b</sup>	4/26	2.23	2.84	12.29	15.44	80		
Widtsoe Ranger Station						4/26	.86	- -	4.22	- -	- -		

# SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
NAME											
LOWER SEVIER (Including San Pitch)											
Beaver Dams	4/26	22	10.3	14.9	6.5	4/26	5.00	2.81	22.15	16.08	138
Farnsworth Lake	4/24	74	30.8	30.6	20.4	4/24	7.40	4.33	30.05	23.43	128
G.B.R.C. Headquarters	4/30	44	19.5	22.2	14.7	4/30	6.00	- -	25.80	- -	- -
G.B.R.C. Majors						4/30	2.60	- -	12.65	- -	- -
G.B.R.C. Meadows	4/30	75	32.9	32.3	27.1	4/30	8.00	- -	31.53	- -	- -
G.B.R.C. Oaks						4/30	3.50	- -	16.65	- -	- -
Gooseberry Ranger Station	4/24	42	19.2	19.3	8.3	4/24	5.60	- -	21.00	- -	- -
Mammoth R.S.-Ctnwood Crk	4/29	50	23.0	23.8	17.2 <sup>b</sup>	4/29	5.80	3.55 <sup>b</sup>	23.50	22.19 <sup>b</sup>	106
Mt. Baldy Ranger Station	4/26	77	32.2	31.2	24.2	4/25	6.10	3.56 <sup>b</sup>	26.80	20.84 <sup>b</sup>	129
Oak Creek	4/29	19	7.8	18.5	- -	4/29	3.79	2.69 <sup>a</sup>	20.20	17.33 <sup>a</sup>	116
Pickle Keg Springs	4/25	50	23.6	20.8	- -	5/1	7.80	2.84 <sup>a</sup>	- -	17.64 <sup>a</sup>	- -
Pine Creek	4/26	48	22.4	30.6	10.9	4/26	9.38	5.28	37.69	27.70	136
BEAVER RIVER											
Beaver Canyon Power House						5/1	3.00	2.09	12.82	11.00	116
Beaver Race Track	5/1	0	0.0	- -	- -						
Big Flat	4/25	57	21.0	27.6	18.6	4/25	5.12	3.34 <sup>b</sup>	19.49	19.73 <sup>b</sup>	99
Merchant Valley	4/25	15	7.0	15.2	4.2	4/25	4.97	3.18 <sup>a</sup>	18.13	17.01 <sup>a</sup>	106
Otter Lake	4/25	45	17.1	22.6	13.0						
PAROWAN CREEK											
Birch Crossing	4/26	0	0.0	12.3	- -						
Brian Head	4/26	47	20.6	34.1	- -						
Ed Ward Flat	4/26	0	0.0	15.0	2.0						
Tall Poles	4/26	26	12.2	24.5	- -	4/26	3.65	4.21 <sup>a</sup>	17.40	22.10 <sup>a</sup>	79
Yankee Reservoir	4/26	9	4.2	19.1	5.7	4/26	3.50	2.55	16.02	14.34	112
COAL CREEK											
SUSC Ranch	4/29	0	0.0	12.0	1.3 <sup>a</sup>						
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	4/30	0	0.0	3.4	0.0 <sup>b</sup>	4/30	.85	1.70 <sup>b</sup>	10.60	14.73 <sup>b</sup>	72
Long Flat	4/30	0	0.0	18.1	.4 <sup>b</sup>	4/30	2.00	2.06 <sup>b</sup>	13.85	13.01 <sup>b</sup>	106
COLORADO RIVER BASIN											
UPPER GREEN RIVER - UTAH											
Ashley Twin Lakes A	4/29	45	14.4	20.8	- -						
Black's Fork Junction	4/23	48	15.2	10.4	8.4 <sup>b</sup>	4/23	6.10	2.94 <sup>b</sup>	19.53	14.47 <sup>b</sup>	135
Black's Fork G. S.-East Fork	4/23	46	14.3	12.3	10.1 <sup>b</sup>	4/23	6.38	3.24 <sup>b</sup>	19.87	15.11 <sup>b</sup>	132
Buck Pasture A	4/29	72	23.8	18.0	- -						
Burnt Creek	4/29	0	0.0	8.6	- -	4/24	3.19	3.06 <sup>b</sup>	12.69	12.07 <sup>b</sup>	105
Grizzly Ridge	4/22	28	9.0	16.2	- -	4/22	4.50	3.25 <sup>b</sup>	14.15	16.69 <sup>b</sup>	85
Henry's Fork A	4/29	52	16.1	19.8	- -						
Hewinta G. S.	4/23	50	15.2	12.3	10.2 <sup>b</sup>	4/23	6.42	3.39 <sup>b</sup>	21.76	15.89 <sup>b</sup>	137
Hickerson Park	4/23	30	10.6	11.4	5.2 <sup>b</sup>	4/23	5.30	3.71 <sup>a</sup>	15.90	12.00 <sup>a</sup>	132
Highline Trail*	5/1					5/1	Data Not Available				
King's Cabin (lower)	4/22	18	6.0	14.6	6.5						
King's Cabin (upper)	4/22	30	9.7	16.1	9.4	4/22	4.07	2.95	11.22	14.21	79
Reynolds Park A	4/29	45	14.0	23.5	- -						
Spirit Lake	4/23	50	15.2	23.6	15.0 <sup>b</sup>	4/22	5.60	4.54 <sup>b</sup>	18.40	18.70 <sup>b</sup>	98
Steel Creek Park	4/23	83	25.0	18.2	18.7 <sup>b</sup>						
Windy Park A	4/29	34	10.9	19.0	- -						



## SNOW

## PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
				Water Content (inches)		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
				Last Year	Average †						
<u>DUCHESNE RIVER</u>											
Atwood Basin A	4/29	21	6.3	14.3	- -						
Chepeta-Whiterocks Lakes A	4/29	37	11.5	20.0	- -						
Currant Creek	4/29	0	0.0	3.6	1.8 <sup>b</sup>	4/29	3.58	2.28 <sup>b</sup>	16.85	15.90 <sup>b</sup>	106
Daniels-Strawberry Summit	4/26	28	12.4	14.4	7.8	4/26	5.85	2.92	21.98	20.53 <sup>b</sup>	107
East Portal	4/30	0	0.0	10.5	- -	4/30	4.20	3.19 <sup>b</sup>	21.06	21.36 <sup>b</sup>	99
Five Point Lake A	4/29	51	15.3	21.4	- -						
Indian Canyon	4/30	11	3.4	17.4	10.4 <sup>b</sup>	4/30	2.17	2.38 <sup>b</sup>	10.56	15.66 <sup>b</sup>	67
Julius Park	5/1	Course Disturbed				4/25	3.85	2.88 <sup>b</sup>	12.35	15.72 <sup>b</sup>	78
Lakefork Basin A	4/29	77	23.1	22.3	- -						
Lakefork Mountain	4/26	28	7.0	16.4	11.7	4/26	2.76	2.99	13.54	15.23	89
Lakefork Mountain #2	4/26	0	0.0	9.1	3.7						
Lakefork Mountain #3	4/26	0	0.0	6.9	1.2						
Lightning Lake A	4/29	90	30.6	- -	- -						
Lake Basin	4/29	71	28.0	- -	- -						
Mosby Mountain	4/25	22	6.7	14.8	9.5	4/25	3.66	2.43 <sup>a</sup>	11.45	13.26 <sup>a</sup>	86
Paradise Park	4/25	31	9.6	18.6	12.8	4/25	3.45	3.17	12.67	18.06	70
Rock Creek	4/29	0	0.0	3.2	.9 <sup>b</sup>	4/29	2.14	2.27	10.83	13.20	82
Strawberry Divide	5/1	Not Measured									
<u>PRICE RIVER</u>											
Dry Valley Divide	4/29	1	.5	8.2	3.7						
Gooseberry Reservoir	4/29	46	21.6	24.0	17.2	4/29	5.60	3.40	24.98	21.58	116
Mud Creek #2	4/29	14	5.2	11.6	7.0	4/29	3.85	2.70	16.77	16.90	99
White River #1	4/29	27	11.3	14.5	9.2	4/29	2.95	2.61	17.83	16.89	106
White River #2	4/29	0	0.0	5.8	1.1						
White River #3	4/29	0	0.0	4.0	0.0						
<u>SAN RAFAEL</u>											
Buck Flat	4/26	51	19.9	20.0	15.4	4/26	5.45	2.98	23.95	20.28	118
Orange Olsen	4/30	0	0.0	0.0	- -	4/30	2.20	1.08 <sup>a</sup>	8.40	10.06 <sup>a</sup>	83
Red Pine Ridge	4/30	41	17.4	18.2	14.4	4/30	6.65	3.50	27.00	23.81	113
Rush Pond	4/26	39	14.0	15.1	11.2						
Seeley Creek	4/30	50	19.6	24.6	16.8						
Stuart Ranger Station	4/29	11	4.3	4.4	1.3	4/29	3.00	2.16	14.15	14.32	99
Upper Joe's Valley	4/30	14	5.3	9.1	4.8						
Wrigley Creek	4/26	26	9.6	12.4	7.1						
<u>FREMONT RIVER</u>											
Blacks Flat-U.M. Creek	4/24	40	15.3	14.2	8.1	4/24	5.39	2.32	19.50	14.47	135
Fish Lake	4/24	26	11.4	12.6	2.8	4/24	4.28	1.72 <sup>b</sup>	13.60	11.08 <sup>b</sup>	123
Johnson Valley	4/24	23	9.4	11.0	2.8						
<u>MILL CREEK</u>											
LaSal Mountain (lower)	4/29	4	1.5	14.8	3.1 <sup>b</sup>						
LaSal Mountain (upper)	4/29	36	16.6	22.3	11.7 <sup>b</sup>	4/29	6.05	2.59 <sup>b</sup>	18.40	18.26 <sup>b</sup>	101
<u>SAN JUAN RIVER</u>											
Buckboard Flat	4/25	4	1.9	20.6	5.8	4/25	2.65	2.51	14.70	20.53	72
Camp Jackson	4/25	0	0.0	19.6	4.5 <sup>b</sup>	4/25	1.65	2.13 <sup>b</sup>	13.30	18.05 <sup>b</sup>	74
Monticello City Park	4/25	0	0.0	- -	- -						
<u>VIRGIN RIVER</u>											
Long Valley Junction	4/29	0	0.0	0.0	.1 <sup>b</sup>						
Webster Flat	4/29	12	6.2	28.9	10.8	4/29	3.40	3.81	- -	23.08	- -
a - Partly Estimated A - Aerial Reading b - Average of all past record - less than 15 years + - 1958-72 Average * - USU-SCS Cooperative Radio Reading ** - SCS Radio Reading											





# INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

## GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.	NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
GREAT BASIN DRAINAGE													
UPPER BEAR RIVER (above Harer, Idaho)													
10G11	W	Big Park	7	27N	17W	8,700	12J2	U	Bevan's Cabin	24	4S	4W	6,450
10J4P	W	McCuller Ranch	19	3N	10E	7,900	12I5e	U	Deserret Peak	12	3N	7W	7,250
10G7	W	CCC Camp x	9	29N	18W	7,500	11I12P	U	Farmington Canyon (lower)	14	3N	1E	9,200
10J36p	U	Gold Hill	11	1N	9E	10,000	11I11P	U	Farmington Canyon (upper)	26	3N	1E	8,000
10J7P	U	Hayden Fork	25	1N	9E	9,400	11I14P	U	Lamb's Canyon #2	21	1S	3E	7,400
10G12	W	Kelly Ranger Station	25	26N	18W	8,200	12I13P	U	Middle Canyon	8	4S	3W	7,000
10J55p	W	Lilly Lake	34	2N	10E	9,300	11I10P	U	Mill D South Fork	18	2S	3E	7,400
11H12P	W	Manite Cristo R. S.	4	8N	4E	8,960	12I16P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
10G10	W	Piney Labarge x	19	29N	114W	8,820	11I11P	U	Silver Lake (Brighton)	35	2S	3E	8,725
10G6	W	Poison Meadows x	29	30N	116W	8,500	11I42	U	Snow Bird (Good Valley)	18	3S	3E	10,000
10G8P	W	Salt River Summit x	32	29N	118W	7,900	12K2P	U	Vernon Creek	21	10S	5W	7,500
10J7P	U	Stillwater Camp	32	2N	10E	8,550							
LOWER BEAR RIVER (below Harer, Idaho)													
11H37p	U	Big Lake	18	11N	5E	7,950	12L4P	U	Box Creek	33	26S	2W	9,800
11H36p	U	Bunchgrass	5	13N	3E	8,400	12M8	U	Byce Canyon	36	36S	4W	8,800
11G11	U	Christensen Ranch	27	13S	41E	5,600	12M13P	U	Castle Valley	23	36S	8W	9,700
11H38p	U	Cinnamon Creek	5	8N	3E	7,300	12M4P	U	Duck Creek R. S.	11	38S	8W	8,700
12H1P	U	Clarkston Mountain	29	15N	2W	6,300	12M18	U	Farris	32	37S	4W	8,200
11G12	U	Cab River Ranger Station	5	13S	41E	5,400	12M5	U	Harvey Flat	24	38S	7W	7,700
11H33P	U	Curtis Creek	34	10N	4E	8,450	12L9P	U	High-Top Mountain	36	25S	1E	11,400
11H39p	U	Dent Springs	30	13S	42E	7,900	12M24	U	Kimberly Mine	11	27S	5W	9,300
12G4	U	Dry Creek Flat	31	13S	37E	6,350	12M19	U	Midway Valley	26	37S	9W	9,800
11G7	U	Emigrant Summit	21	12S	42E	7,350	12L5	U	Rainbow Point	4 & 5	36S	7W	8,200
11G8MP	U	Emigration Canyon (mouth)	24	12S	42E	6,500	12M19	U	Sandwich Range	23	22S	2W	9,100
11H7MP	U	Franklin Basin	1	16S	41E	8,000	11M4P	U	Wildrose R. S.	22	34S	2W	7,600
12H2p	U	Garden City Summit	34 & 35	14N	4E	7,600							
11H40p	U	Herd Hollow	24	11N	2W	6,400	11K13P	U	Beaver Dam	27	19S	3E	8,000
11G15a	U	Horsehoe Basin	4	11N	3E	7,000	11K11P	U	Beaver South Lake	27 & 33	23S	2E	9,900
11H15P	U	Klamdisie Narrows	31	13S	42E	8,000	11K10	U	G. B. R. C. Meadows	26 & 27	17S	4E	10,000
11G13	U	Liberty Springs	7	13S	42E	8,240	11K2P	U	Monmouth R. S.	13	13S	5E	8,800
11H26	U	Little Bear (lower)	15	8N	1E	6,000	11K34	U	Middle Fork	16	18S	4E	9,600
11H25P	U	Little Bear (upper)	22	11N	2E	9,000	11K12P	U	Mt. Baldy R. S.	19	19S	4E	9,500
12G3	U	Oxford Mountain	32	13S	37E	6,800	11K39PT	U	Oak Creek	4	17S	3W	7,760
11H46p	U	Paradise Canyon	36	10N	2E	7,650	12L1P	U	Pickle Keg Springs	4	21S	3E	9,600
11G5	U	Slug Creek Divide	15	10S	44E	7,225	11K36	U	Pine Creek	24	22S	4W	8,700
11H27	U	Steep Hollow #1	9	14N	3E	8,500	11K136	U	Rees's Flat	20	15S	2E	7,300
11H28	U	Steep Hollow #2	9	14N	3E	7,700	12L11P	U	Shingle Mill	5	22S	3W	6,200
11G9	U	Strawberry Creek	9	13S	41E	5,800	11K135	U	Thistle Flat	23	18S	3E	8,500
11G10	U	Strawberry Mink Divide	14	13S	41E	6,800							
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250	12L13	U	BEAVER RIVER	23	29S	7W	6,020
11H41p	U	Trigora Springs	29	12N	4E	7,600	12J2PT	U	Beaver Race Track	18	29S	4W	10,290
11G4P	U	Willow Flat	2	13S	41E	6,100	12I9P	U	Big Flat	8 & 9	29S	5W	8,200
							12L8	U	Merchant's Valley	1	29S	5W	9,300
								U	Other Lake				
OGDEN RIVER													
11H14M	U	Beaver Creek-Slunk Creek	22	8N	3E	7,150			PAROWAN CREEK				
11H8p*	U	Ben Leonard Peak	3	7N	1W	8,000	12M16	U	Birch Crossing	23	35S	9W	8,100
11H30P	U	Ben Leonard (lower)	1	7N	1W	6,000	12M14	U	Brian Head	10	36S	9W	10,000
11H30P	U	Ben Leonard (lower)	2	7N	1W	6,000	12M12	U	Ed Ward Flat	17	35S	9W	8,300
11H35P	U	Causey Dam	34	7N	3E	5,500	12M19P	U	Tail Poles	26 & 35	35S	9W	8,800
11H13MP	U	Curtis Creek	19	8N	4E	6,800	12M11P	U	Yankee Reservoir	20	35S	8W	8,700
11H34p	U	D. B. Road	21	6N	4E	8,050			COAL CREEK				
11H34p	U	Goldier's Peak	21	6N	4E	8,050			CSU Ranch	18	37S	9W	8,200
11H42p	U	Magpie	29	6N	3E	7,700	12M17	U	Urie Flat	11	37S	10W	8,450
11H45p	U	Middle Fork Ogden	16	7N	3E	8,420	12M10	U	Urie Flat				
11H15P	U	Sagebrush Flat	21	7N	3E	6,300			ENTERPRISE TO NEW HARMONY DRAINAGES				
									Little Grassy Creek	15	38S	17W	6,100
									Long Flat	2	38S	14W	8,000
WEBER RIVER													
11J24	U	Beaver Creek R. S.	28	2S	7E	7,500							
11J1P	U	Chalk Creek #1	4	1N	8E	9,100	13M4MP	U					
11J2MP	U	Chalk Creek #2	17 & 20	2N	8E	7,900	13M2MP	U					
11J3MP	U	Chalk Creek #3	7	2N	8E	7,500							
11H44p	U	Francis Canyon	29	5N	6E	7,400							
11J37p	U	Hardscrabble	16	2N	2E	6,500							
11H43p	U	Hoodoo Knoll	22	5N	3E	8,350							
11H21P	U	Horse Ridge	1	6N	4E	8,260							
11H31P	U	Killfare Creek	20	6N	5E	7,300							
11H32P	U	Lost Creek	27	6N	5E	6,125							
11J43	U	Port City Sm't.	20	2S	4E	7,300							
11J3PT5*	U	Parley's Canyon Summit	5	1S	7E	7,500							
11J28p	U	Parley's Canyon	22	2S	4E	7,500							
11J5P	U	Redden Mine (lower)	1	2S	6E	8,500							
11J5P	U	Redden Mine (upper)	1	2S	6E	9,000							
11J5P	U	Sergeant Lakes	17	1N	5E	8,400							
11J40p	U	Shingle Mill Flat	15	1S	7E	9,900							
11J4P	U	Smith & Morehouse	25	1N	7E	7,600							
COLORADO RIVER DRAINAGE													

## COLORADO RIVER DRAINAGE

PROVO RIVER & UTAH LAKE			UPPER GREEN RIVER IN UTAH (above Duchene River)		
11J20	29	45	3E	9,300	9,300
11K21	18	11S	6E	8,000	8,925
11K22P	11	11S	6E	8,000	8,925
11K23	27	11S	6E	8,000	8,925
11K24	27	11S	6E	8,000	8,925
11J23MP	20	25	12W	8,000	9,000
11J23MP	20	25	12W	8,000	9,000
11J17P	20	35	3E	7,560	9,100
11J17P	20	35	3E	7,560	9,100
11J22P	27	75	5E	7,420	9,150
11J36P	36	45	6E	9,100	8,300
11J31	21	75	5E	6,400	8,600
11K1P	30	10S	3E	8,050	8,730
11K2	14	10S	2E	6,750	8,730
11J25P	9	35	8E	7,800	10,680
11J19	24	45	2E	6,100	8,550
11J18P	34 & 35	75	6E	8,000	10,400
11J18P	27	45	2E	5,500	9,900
11J21P	33	45	3E	8,140	9,800
10J8P	5	25	9E	9,800	9,400
11J20	29	45	3E	9,300	9,300
11K21	18	11S	6E	8,000	8,925
11K22P	11	11S	6E	8,000	8,925
11K23	27	11S	6E	8,000	8,925
11K24	27	11S	6E	8,000	8,925
11J23MP	20	25	12W	8,000	9,000
11J23MP	20	25	12W	8,000	9,000
11J17P	20	35	3E	7,560	9,100
11J17P	20	35	3E	7,560	9,100
11J22P	27	75	5E	7,420	9,150
11J36P	36	45	6E	9,100	8,300
11J31	21	75	5E	6,400	8,600
11K1P	30	10S	3E	8,050	8,730
11K2	14	10S	2E	6,750	8,730
11J25P	9	35	8E	7,800	10,680
11J19	24	45	2E	6,100	8,550
11J18P	34 & 35	75	6E	8,000	10,400
11J18P	27	45	2E	5,500	9,900
11J21P	33	45	3E	8,140	9,800
10J8P	5	25	9E	9,800	9,400

LEGEND	
Numbering System (example)	
1017	Snow Course Only.
1017P	Snow Course and Precipitation Gauge
1017M	Snow Course and Soil Moisture Station
1017MA	Snow Course and Soil Moisture Station and Aerial Marker Only.
1017MP	Snow Course, Soil Moisture Station and Precipitation Gauge Only.
1017MA	Snow Course, Soil Moisture Station and Aerial Marker Only.
1017M	Snow Course, Soil Moisture Station and Precipitation Gauge Only.
1017P	Storage Precipitation Gauge Only.
x	Adjacent Drainage.

# Agencies Cooperating in Utah Snow Surveys

## U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
NOAA, National Weather Service  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah State University  
Utah Fish and Game Department  
Utah State Department of Natural  
Resources, Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation



UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
FEDERAL BLDG., - ROOM 4012  
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SALT LAKE CITY, UTAH 84138

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## FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data  
necessary for forecasting  
water supply for irrigation,  
domestic and municipal water  
supply, hydro-electric power  
generation, navigation,  
mining and industry

*"The Conservation of Water begins  
with the Snow Survey"*